

2600541_1.TXT

SEQUENCE LISTING

<110> Mariscal-Gonzalez, Lorenza
Nava-Dominguez, Porfiro

<120> EMPLOYMENT OF ROTAVIRUS PROTEINS,
DERIVED PROTEINS AND PEPTIDES FOR THE MODULATION OF TISSUE
PERMEABILITY

<130> UHT1.001APC

<140> US 10/540,843

<141> 2005-06-27

<150> PCT/IB03/00280

<151> 2003-01-10

<160> 7

<170> FastSEQ for windows Version 4.0

<210> 1

<211> 776

<212> PRT

<213> Rhesus Monkey Rotavirus

<400> 1

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Val Thr Ile Asn Leu Gly Pro Phe Ala Gln Thr Gly Tyr Ala Pro Val
 35      40      45
Asn Trp Gly Pro Gly Glu Thr Asn Asp Ser Thr Thr Val Glu Pro Val
 50      55      60
Leu Asp Gly Pro Tyr Gln Pro Thr Ser Phe Asn Pro Pro Val Asp Tyr
 65      70      75      80
Trp Met Leu Leu Ala Pro Thr Ala Ala Gly Val Val Val Glu Gly Thr
 85      90      95
Asn Asn Thr Asp Arg Trp Leu Ala Thr Ile Leu Val Glu Pro Asn Val
100      105      110
Thr Ser Glu Thr Arg Ser Tyr Thr Leu Phe Gly Thr Gln Glu Gln Ile
115      120      125
Thr Ile Ala Tyr Ala Ser Gln Thr Gln Trp Lys Phe Ile Asp Val Val
130      135      140
Lys Thr Thr Gln Asn Gly Ser Tyr Ser Gln Tyr Gly Pro Leu Gln Ser
145      150      155      160
Thr Pro Lys Leu Tyr Ala Val Met Lys His Asn Gly Lys Ile Tyr Thr
165      170      175
Tyr Asn Gly Glu Thr Pro Asn Val Thr Thr Lys Tyr Tyr Ser Thr Thr
180      185      190
Asn Tyr Asp Ser Val Asn Met Thr Ala Phe Cys Asp Phe Tyr Ile Ile
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Pro Arg Glu Glu Glu Ser Thr Cys Thr Glu Tyr Ile Asn Asn Gly Leu
210      215      220
Pro Pro Ile Gln Asn Thr Arg Asn Ile Val Pro Leu Ala Leu Ser Ala
225      230      235      240
Arg Asn Ile Ile Ser His Arg Ala Gln Ala Asn Glu Asp Ile Val Val
245      250      255
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260      265      270
Ile Arg Phe Lys Phe Ala Ser Ser Ile Val Lys Ser Gly Gly Leu Gly

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Tyr	Lys 290	Trp	Ser	Glu	Ile	Ser 295	Phe	Lys	Pro	Ala	Asn 300	Tyr	Gln	Tyr	Thr
Tyr 305	Thr	Arg	Asp	Gly	Glu 310	Asp	Val	Thr	Ala	His 315	Thr	Thr	Cys	Ser	Val 320
Asn	Gly	Met	Asn	Asp 325	Phe	Asn	Phe	Asn	Gly 330	Gly	Ser	Leu	Pro	Thr 335	Asp
Phe	Ile	Ile	Ser 340	Arg	Tyr	Glu	Val	Ile 345	Lys	Glu	Asn	Ser	Tyr 350	Val	Tyr
Val	Asp	Tyr 355	Trp	Asp	Asp	Ser	Gln 360	Ala	Phe	Arg	Asn	Met 365	Val	Tyr	Val
Arg	Ser 370	Leu	Ala	Ala	Asn	Leu 375	Asn	Ser	Val	Ile	Cys 380	Thr	Gly	Gly	Asp
Tyr 385	Ser	Phe	Ala	Leu	Pro 390	Val	Gly	Gln	Trp	Pro 395	Val	Met	Thr	Gly	Gly 400
Ala	Val	Ser	Leu	His 405	Ser	Ala	Gly	Val	Thr 410	Leu	Ser	Thr	Gln	Phe 415	Thr
Asp	Phe	Val	Ser 420	Phe	Asn	Ser	Leu	Arg 425	Phe	Arg	Phe	Arg	Leu 430	Thr	Val
Glu	Glu	Pro 435	Ser	Phe	Ser	Ile	Thr 440	Arg	Thr	Arg	Val	Gly 445	Gly	Leu	Tyr
Gly	Leu 450	Pro	Ala	Ala	Tyr	Pro 455	Asn	Asn	Gly	Lys	Glu 460	Tyr	Tyr	Glu	Val
Ala 465	Gly	Arg	Leu	Ser	Leu 470	Ile	Ser	Leu	Val	Pro 475	Ser	Asn	Asp	Asp	Tyr 480
Gln	Thr	Pro	Ile	Thr 485	Asn	Ser	Val	Thr	Val 490	Arg	Gln	Asp	Leu	Glu 495	Arg
Gln	Leu	Gly	Glu 500	Leu	Arg	Glu	Glu	Phe 505	Asn	Ala	Leu	Ser	Gln 510	Glu	Ile
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Ser	Met 530	Phe	Ser	Gly	Ile	Lys 535	Ser	Thr	Ile	Asp	Ala 540	Ala	Lys	Ser	Met
Ala 545	Thr	Ser	Val	Met	Lys 550	Lys	Phe	Lys	Lys	Ser 555	Gly	Leu	Ala	Asn	Ser 560
Val	Ser	Thr	Leu	Thr 565	Asp	Ser	Leu	Ser	Asp 570	Ala	Ala	Ser	Ser	Ile 575	Ser
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Asp	Val	Ser 595	Thr	Gln	Ile	Thr	Asp 600	Val	Ser	Ser	Ser	Val 605	Ser	Ser	Ile
Ser	Thr 610	Gln	Thr	Ser	Thr	Ile 615	Ser	Arg	Arg	Leu	Arg 620	Leu	Lys	Glu	Met
Ala 625	Thr	Gln	Thr	Glu	Gly 630	Met	Asn	Phe	Asp	Asp 635	Ile	Ser	Ala	Ala	Val 640
Leu	Lys	Thr	Lys	Ile 645	Asp	Arg	Ser	Thr	Gln 650	Ile	Ser	Pro	Asn	Thr 655	Leu
Pro	Asp	Ile	Val 660	Thr	Glu	Ala	Ser	Glu 665	Lys	Phe	Ile	Pro	Asn 670	Arg	Ala
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Ser	Arg	Gln	Gln 740	Ala	Phe	Asn	Leu	Leu 745	Arg	Ser	Asp	Pro	Arg 750	Val	Leu
Arg	Glu	Phe 755	Ile	Asn	Gln	Asp	Asn 760	Pro	Ile	Ile	Arg	Asn 765	Arg	Ile	Glu
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 20 25 30
 Val Thr Ile Asn Leu Gly Pro Phe Ala Gln Thr Gly Tyr Ala Pro Val
 35 40 45
 Asn Trp Gly Pro Gly Glu Thr Asn Asp Ser Thr Thr Val Glu Pro Val
 50 55 60
 Leu Asp Gly Pro Tyr Gln Pro Thr Ser Phe Asn Pro Pro Val Asp Tyr
 65 70 75 80
 Trp Met Leu Leu Ala Pro Thr Ala Ala Gly Val Val Val Glu Gly Thr
 85 90 95
 Asn Asn Thr Asp Arg Trp Leu Ala Thr Ile Leu Val Glu Pro Asn Val
 100 105 110
 Thr Ser Glu Thr Arg Ser Tyr Thr Leu Phe Gly Thr Gln Glu Gln Ile
 115 120 125
 Thr Ile Ala Tyr Ala Ser Gln Thr Gln Trp Lys Phe Ile Asp Val Val
 130 135 140
 Lys Thr Thr Gln Asn Gly Ser Tyr Ser Gln Tyr Gly Pro Leu Gln Ser
 145 150 155 160
 Thr Pro Lys Leu Tyr Ala Val Met Lys His Asn Gly Lys Ile Tyr Thr
 165 170 175
 Tyr Asn Gly Glu Thr Pro Asn Val Thr Thr Lys Tyr Tyr Ser Thr Thr
 180 185 190
 Asn Tyr Asp Ser Val Asn Met Thr Ala Phe Cys Asp Phe Tyr Ile Ile
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 210 215 220
 Pro Pro Ile Gln Asn Thr Arg
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 <212> PRT
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 20 25 30
 Lys Ile Tyr Thr Tyr Asn Gly Glu Thr Pro
 35 40

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 Val Val Lys Thr
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Ile Tyr Thr Tyr
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